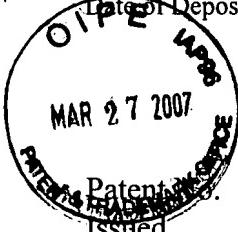


03-29-07

Attorney Docket No. 18989-030

cjc



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,175,599 B2  
Issued : February 13, 2007  
Applicants : Hynynen, et al.  
Assignee : Brigham and Women's Hospital, Inc.  
Serial No. : 10/822,181  
Filed : April 9, 2004  
Title : SHEAR MODE DIAGNOSTIC ULTRASOUND

Attn: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate  
APR 03 2007  
of Correction

TRANSMITTAL LETTER

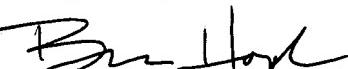
Transmitted herewith for filing in the above-referenced patent application are the following documents:

- Request for Certificate of Correction Under 37 C.F.R. § 1.323 [2 pgs.];
- Certificate of Correction [1 pg.];
- Formal Drawings, Figures 1-26, [18 sheets];
- Change of Correspondence Address [1 pg.];
- Check No. 3683 in the amount of \$100.00; and
- a Return postcard.

Applicants believe that no fees are due in connection with this submission. However, the Director is authorized to credit any overpayment or charge any fees to Deposit Account No. 50-0311, Reference No. 18989-030, Customer No. 35437.

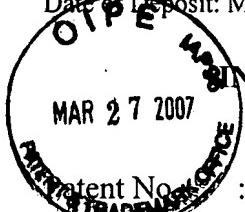
If the enclosed papers are considered incomplete, the Mail Room is respectfully requested to contact the undersigned collect at (212) 935-3000, New York, New York.

Respectfully submitted,



Brian P. Hopkins, Reg. No. 42,669  
Attorney for Applicants  
MINTZ, LEVIN, COHN, FERRIS,  
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Chrysler Center, 666 Third Avenue, 24<sup>th</sup> Floor  
New York, New York 10017  
Tel: (212) 935-3000  
Fax: (212) 983-3115

APR 04 2007



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,175,599 B2  
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Respectfully submitted,

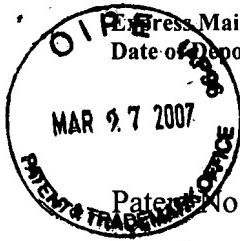
Brian P. Hopkins, Reg. No. 42,669

Attorney for Applicants

MINTZ, LEVIN, COHN, FERRIS,  
GLOVSKY AND POPEO, P.C.Chrysler Center, 666 Third Avenue, 24<sup>th</sup> Floor  
New York, New York 10017

Tel: (212) 935-3000

Fax: (212) 983-3115



Express Mail Label No.: EV 829089301US  
Date of Deposit: March 27, 2007

Attorney Docket No.: 18989-030

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,175,599 B2  
Issued : February 13, 2007  
Applicants : Hynynen, *et al.*  
Assignee : Brigham and Women's Hospital, Inc.  
Serial No. : 10/822,181  
Filed : April 9, 2004  
Title : SHEAR MODE DIAGNOSTIC ULTRASOUND

**Attn: Certificate of Corrections Branch**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323**

The patentee of the above-identified patent, through its attorney, hereby requests issuance of a Certificate of Correction. A certificate is required to replace informal drawings, Figures 1-26 with formal drawings, Figures 1-26, which are attached hereto.

The error is a clerical error, which was made in good faith, and its correction does not involve such changes in the patent as would constitute new matter or would require reexamination. The fee under 35 U.S.C. § 120(a) is submitted herewith for the correction of this error.

It is respectfully requested that a Certificate of Correction be issued to correct the error in the drawings. Enclosed herewith is a Certificate of Correction indicating the error and correction thereof.

03/30/2007 CCHAU1 00000001 7175599

01 FC:1811

100.00 OP

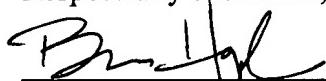
APR 04 2007

Patent No.: 7,175,599 B2  
Date of Patent: February 13, 2007

No additional fees are due in connection with this submission, however, the Director is hereby authorized to charge any additional fees due, or credit any overpayment of same, to Deposit Account No. 50-0311; Reference No. 18989-030, Customer No. 35437.

Date: March 27, 2007

Respectfully submitted,



---

Brian P. Hopkins, Reg. No. 42,699  
Attorney for Applicants  
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Glovsky and Popeo, P.C.  
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666 Third Avenue, 24<sup>th</sup> Floor  
New York, New York 10017  
Telephone 212/935-3000



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : **7,175,599 B2**  
Issued : **February 13, 2007**  
Applicants : Hynynen, et al.  
Serial No. : **10/822,181**  
Filed : **April 9, 2004**  
Title : **SHEAR MODE DIAGNOSTIC ULTRASOUND**

**Attention Certificate of Corrections Branch**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CHANGE OF CORRESPONDENCE ADDRESS**

Sir:

Please change the corresponding address of the above-referenced patent to:

**Brian P. Hopkins, Esq.**  
**Mintz Levin Cohn Ferris**  
**Glovsky & Popeo, P.C.**  
**666 Third Avenue, 24<sup>th</sup> Floor**  
**New York New York 10017**  
**Telephone: (212) 935-3000**  
**Telefax: (212) 983-3115**  
**Customer Number: 35437**

The undersigned are the attorneys of record in this case.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Brian P. Hopkins".

Brian P. Hopkins, Reg. No. 42,669  
Attorney for Applicants  
MINTZ, LEVIN, COHN, FERRIS, *et al.*  
666 Third Avenue-24th Floor  
New York, New York 10017  
Telephone: (212) 935-3000  
Telefax: (212) 983-3115

Date: March 27, 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,175,599 B2

APPLICATION NO.: 10/822,181

ISSUE DATE : February 13, 2007

INVENTOR(S) : Hynnen, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Figures 1-26 are informal drawings. Please correct Figures 1-26 by replacing with the attached formal drawings, Figures 1-26.

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Mintz, Levin, Cohn, Ferris, Glovsky, and Popeo, PC, Chrysler Center, 666 Third Avenue, New York, NY 10017

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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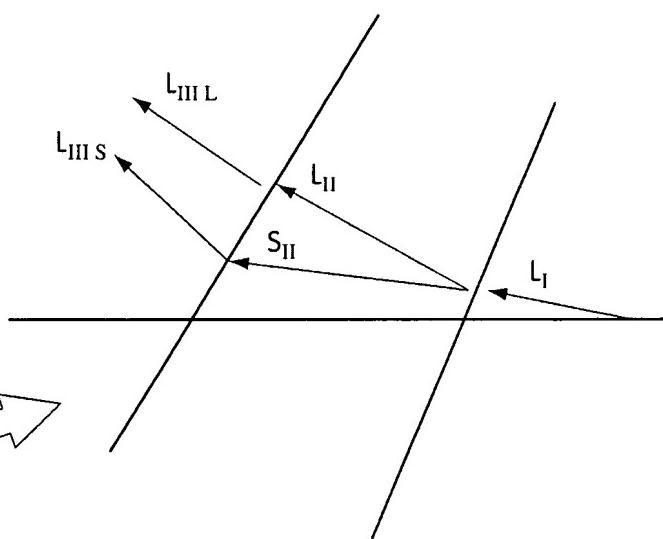


Fig. 1

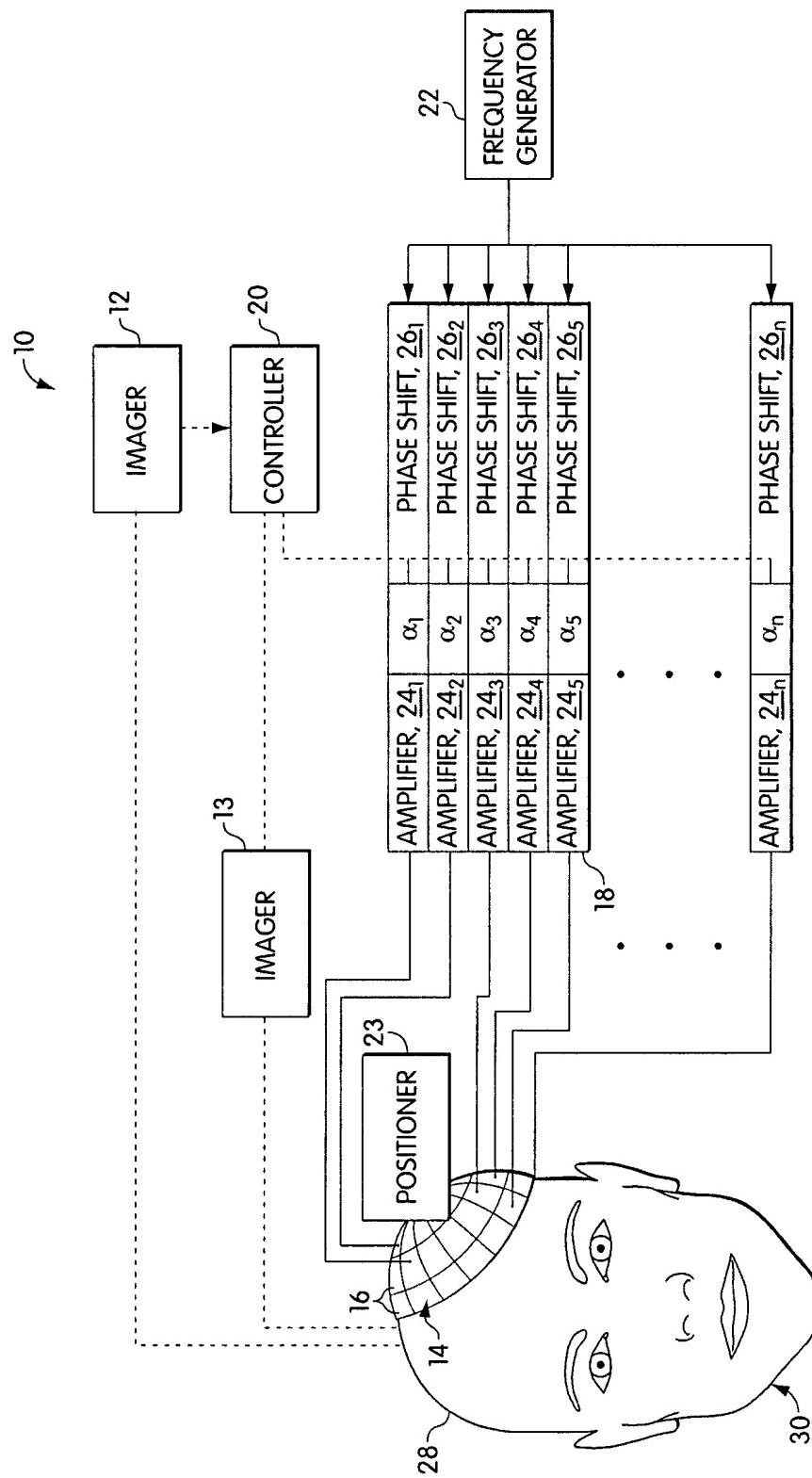


Fig. 2

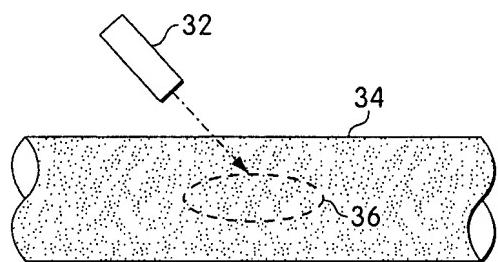


Fig. 3

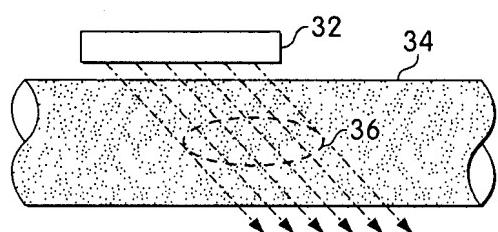


Fig. 4

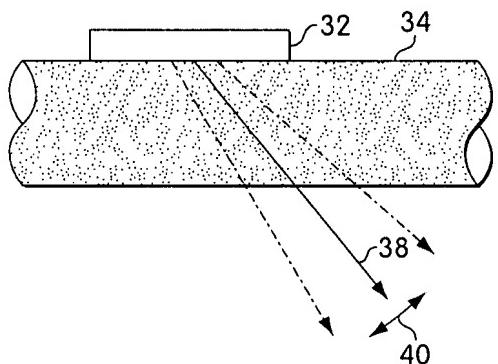


Fig. 5

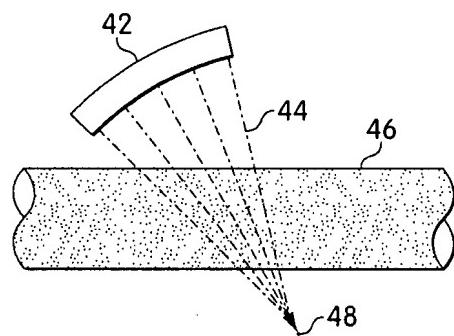


Fig. 6

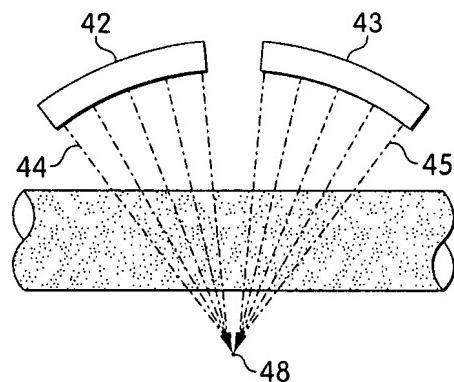


Fig. 7

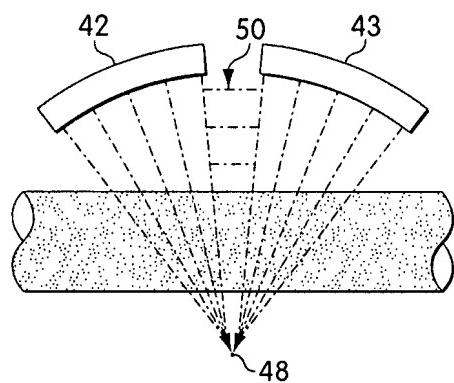


Fig. 8

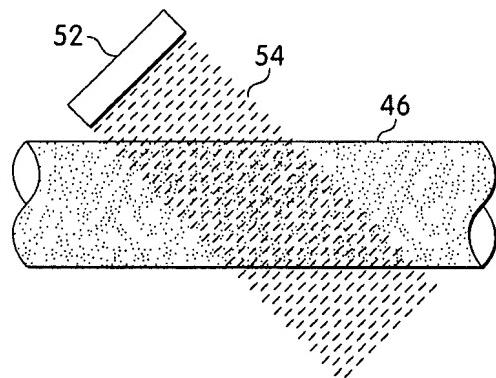


Fig. 9

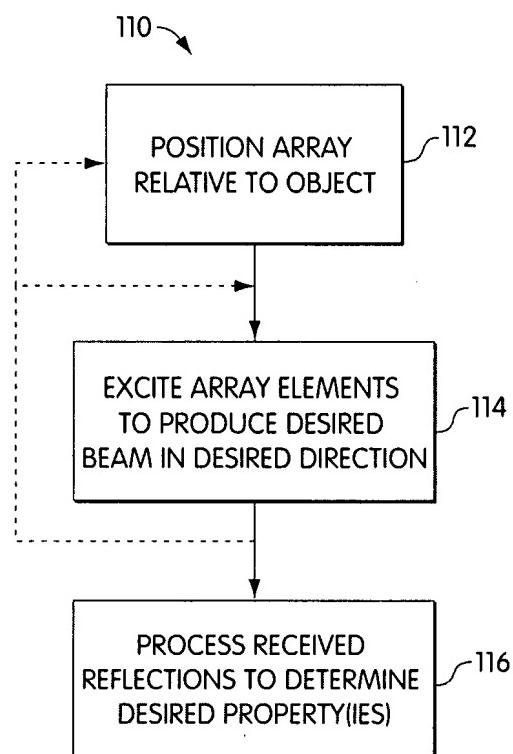


Fig. 10

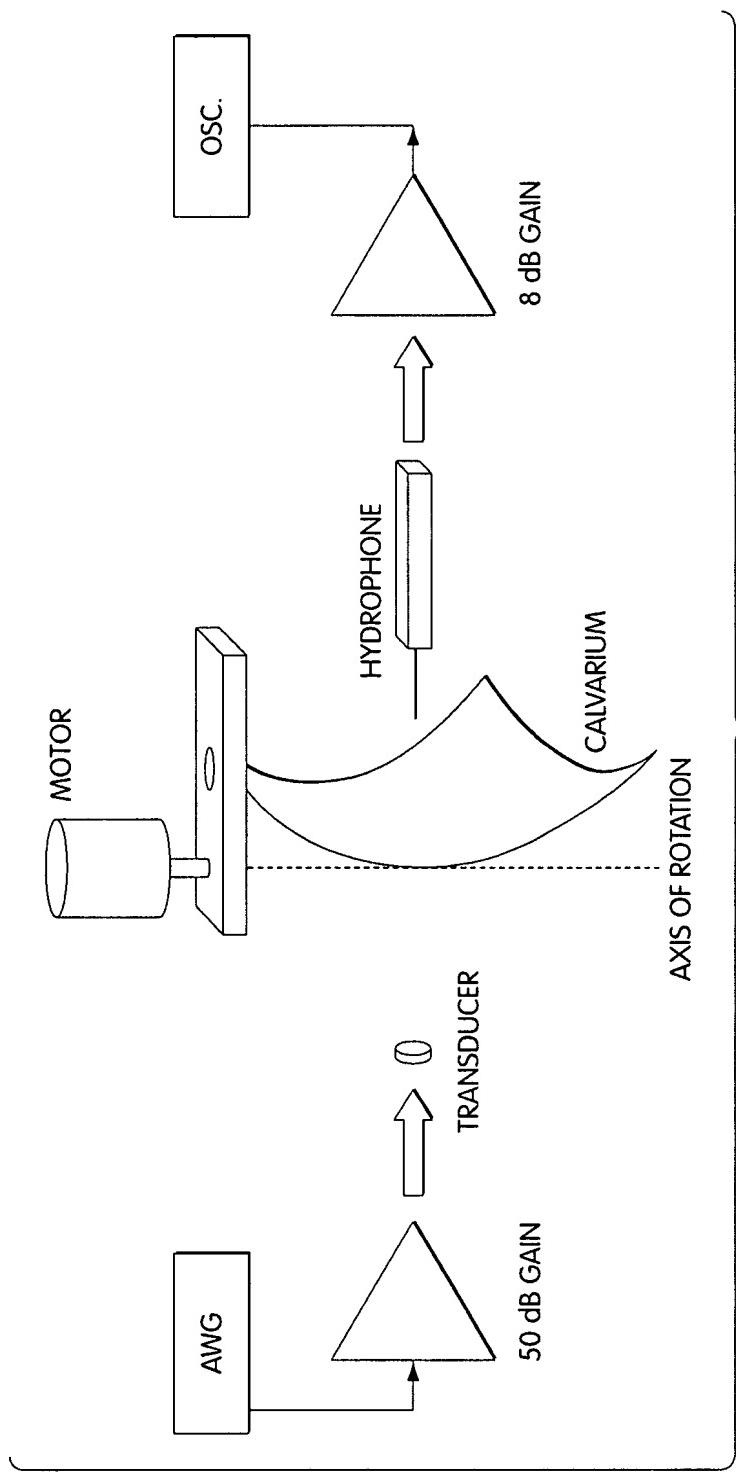


Fig. 11

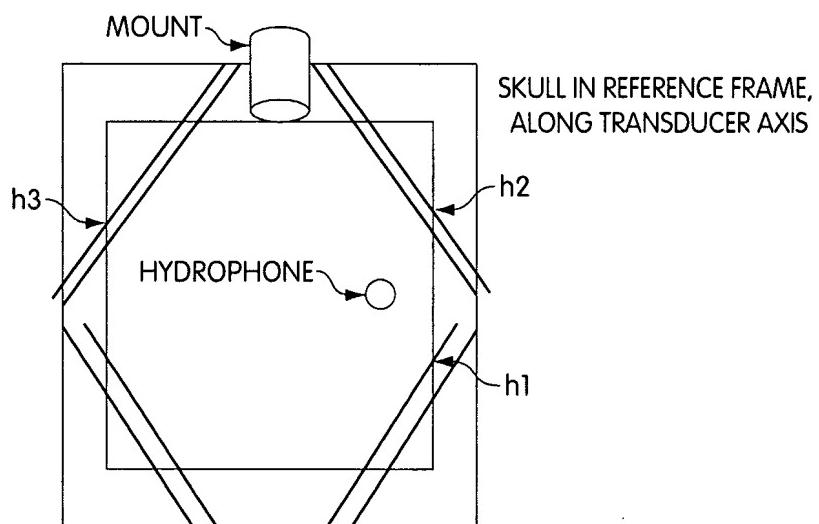


Fig. 12

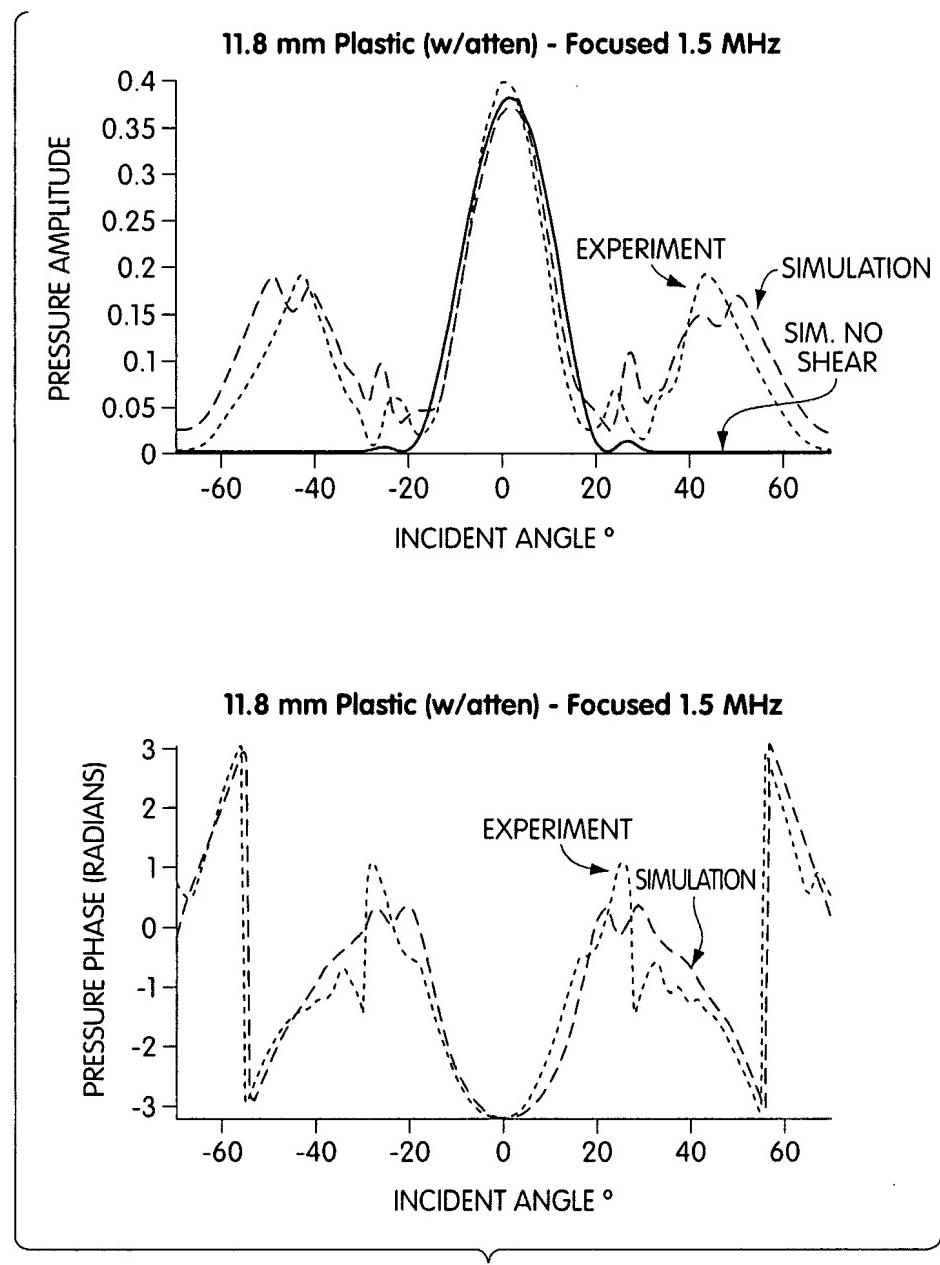


Fig. 13

APR 04 2007

9/18

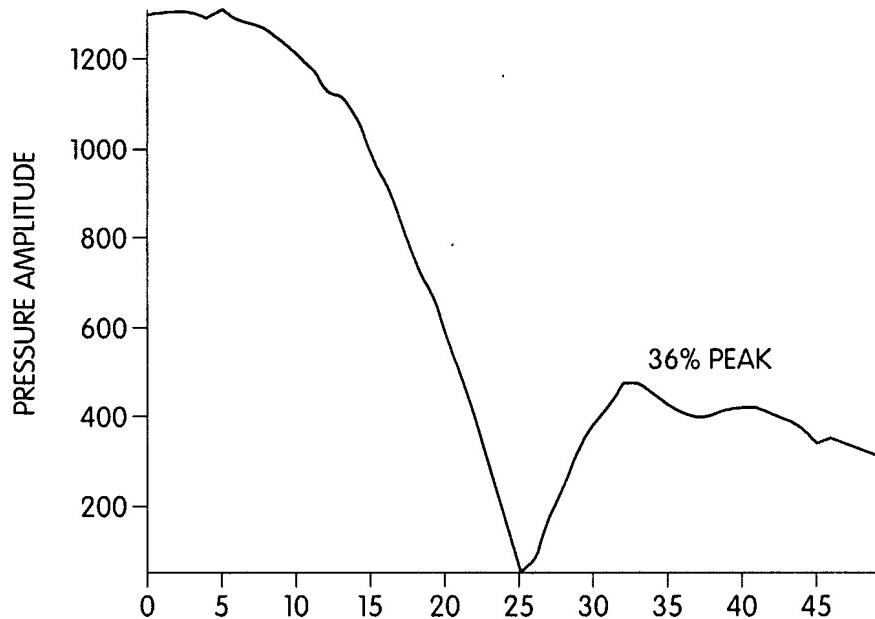


Fig. 14A

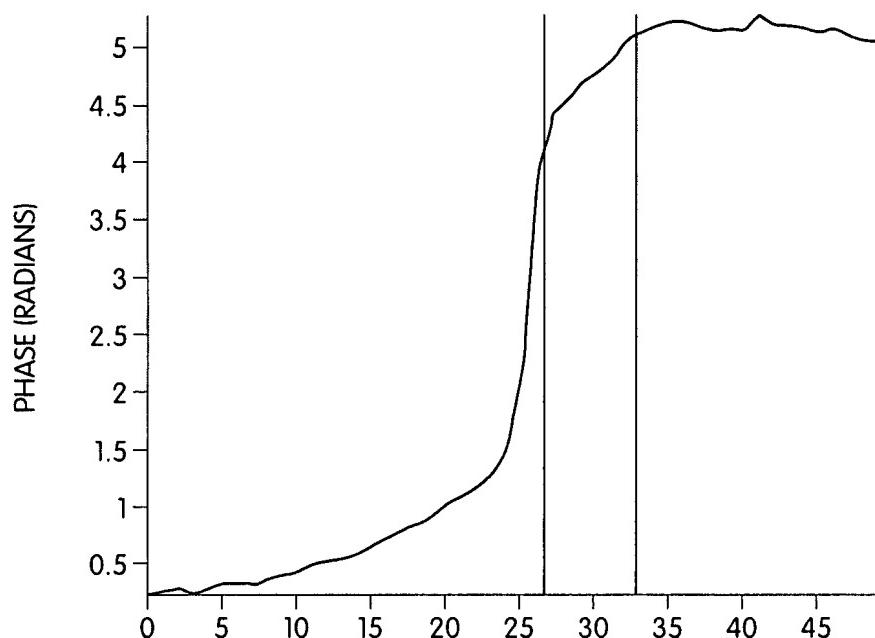
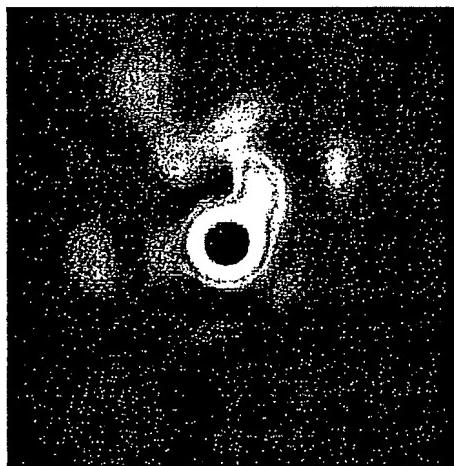


Fig. 14B

APR 04 2007

10/18

35°



15°



0°

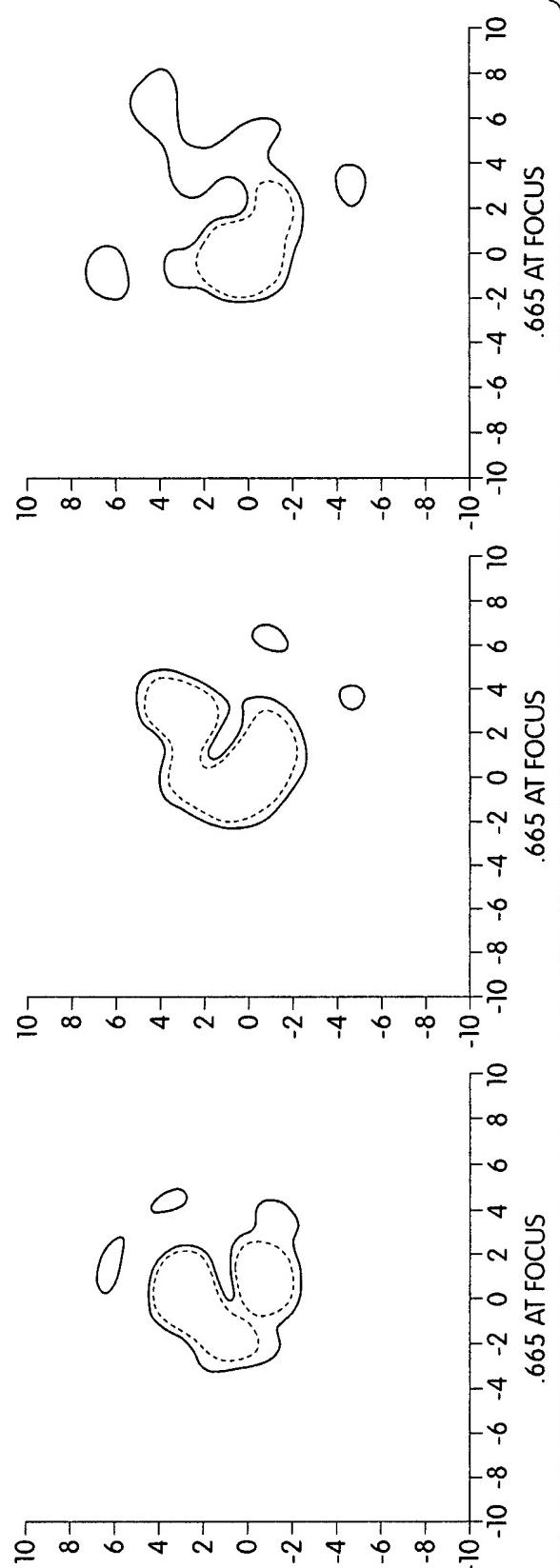
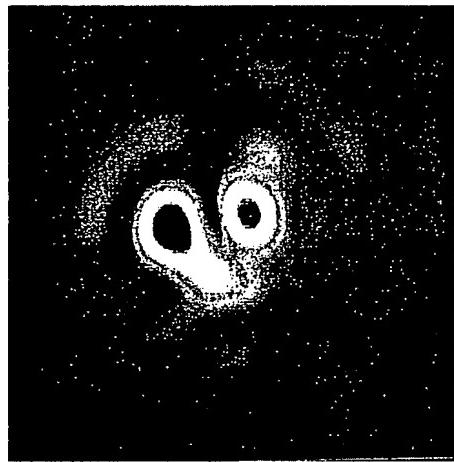


Fig. 15

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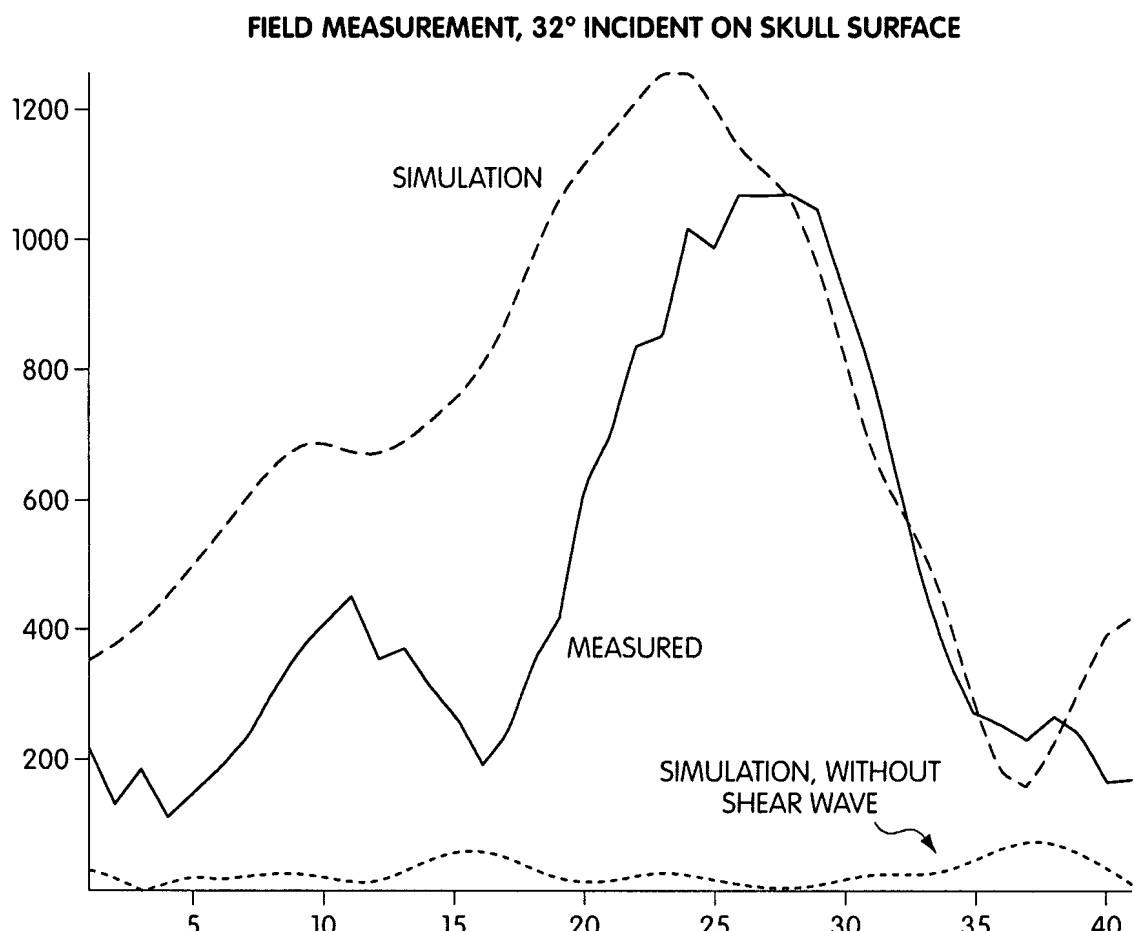


Fig. 16

12/18

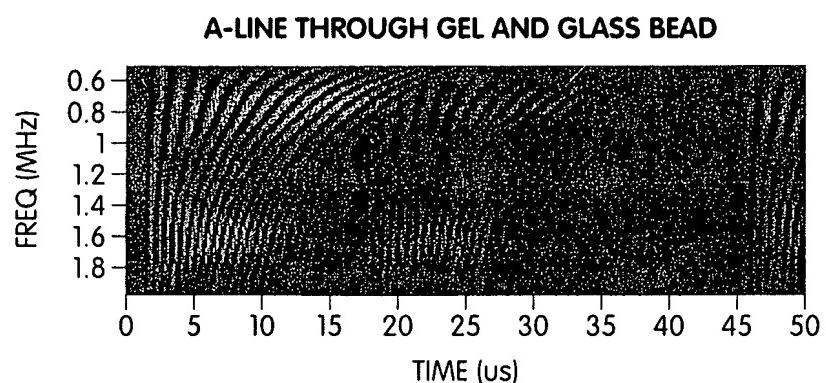


Fig. 17A

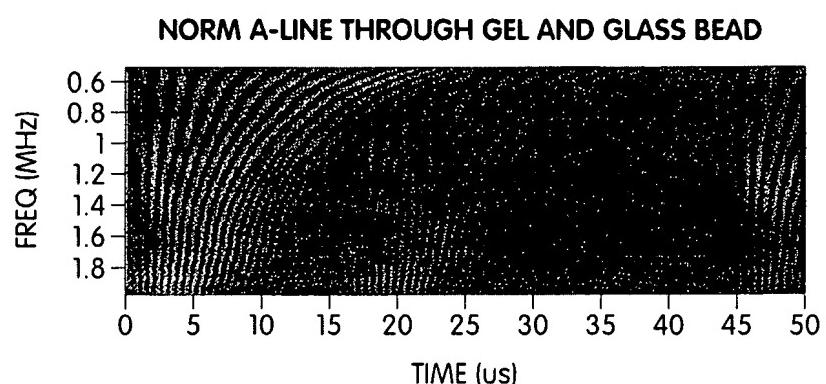


Fig. 17B

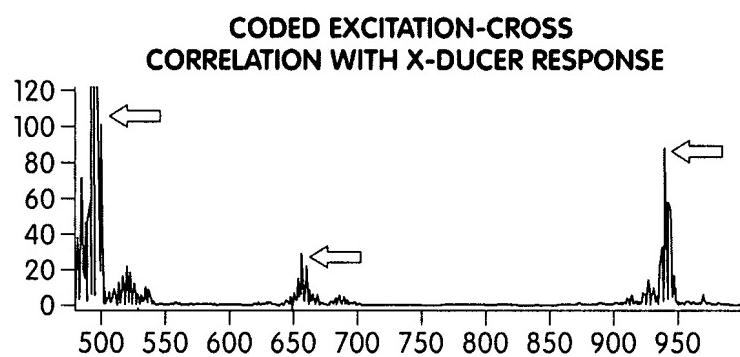


Fig. 18A

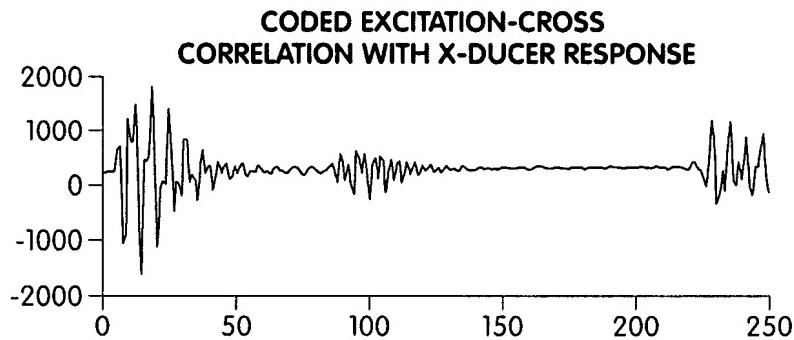


Fig. 18B

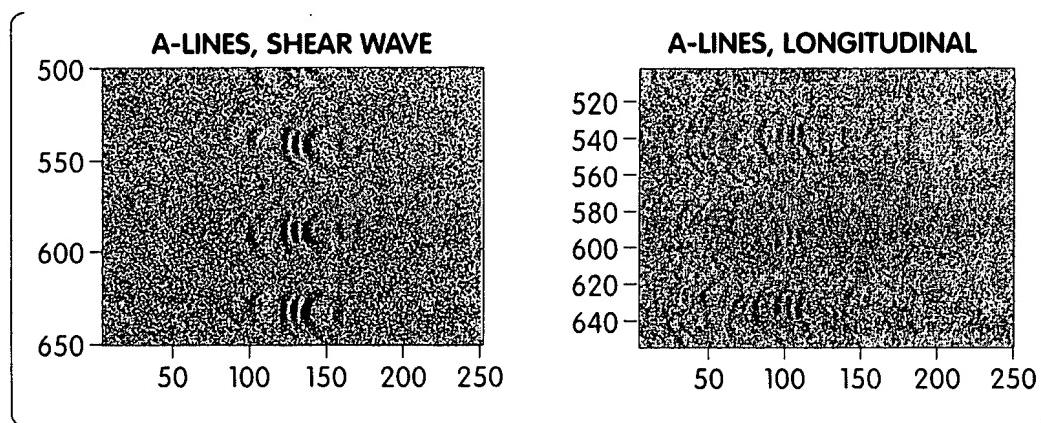


Fig. 19

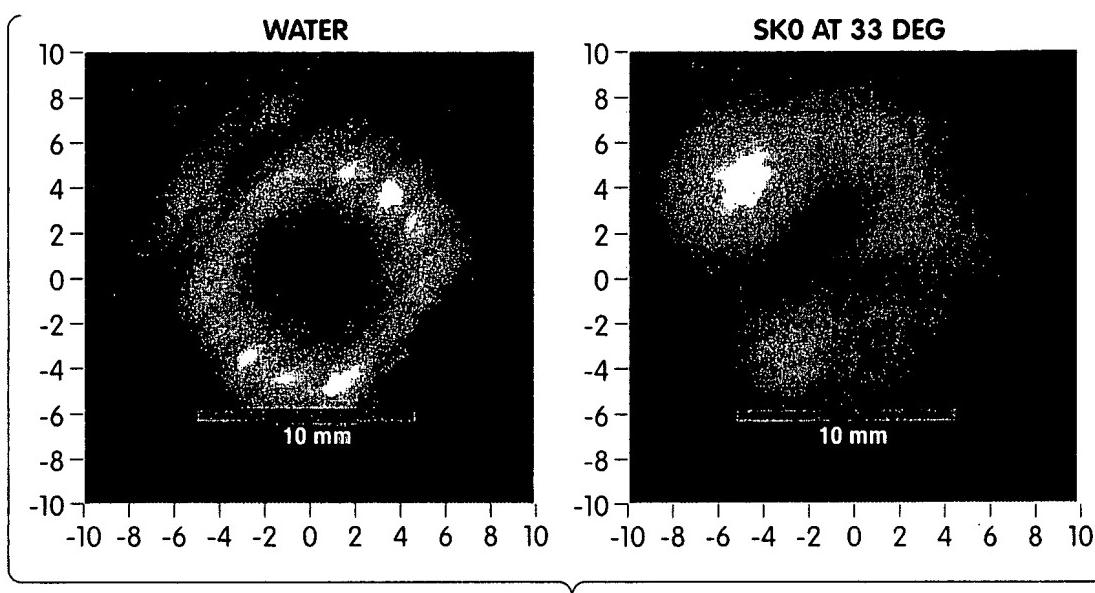


Fig. 20

SHEAR IMAGING THROUGH PHANTOM  
AT 1 MHz

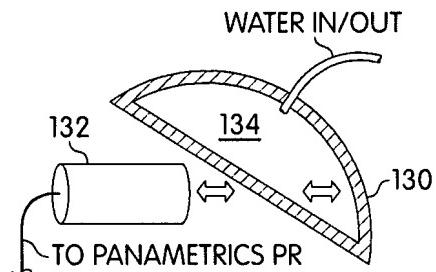


Fig. 21

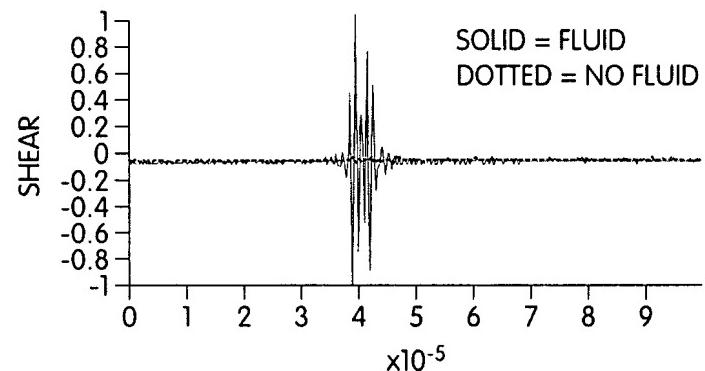


Fig. 22A

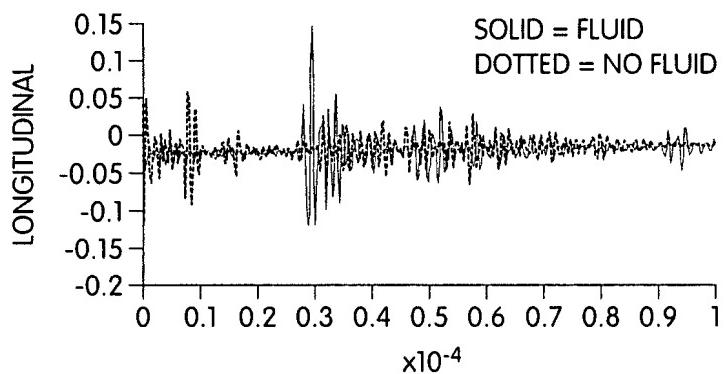


Fig. 22B

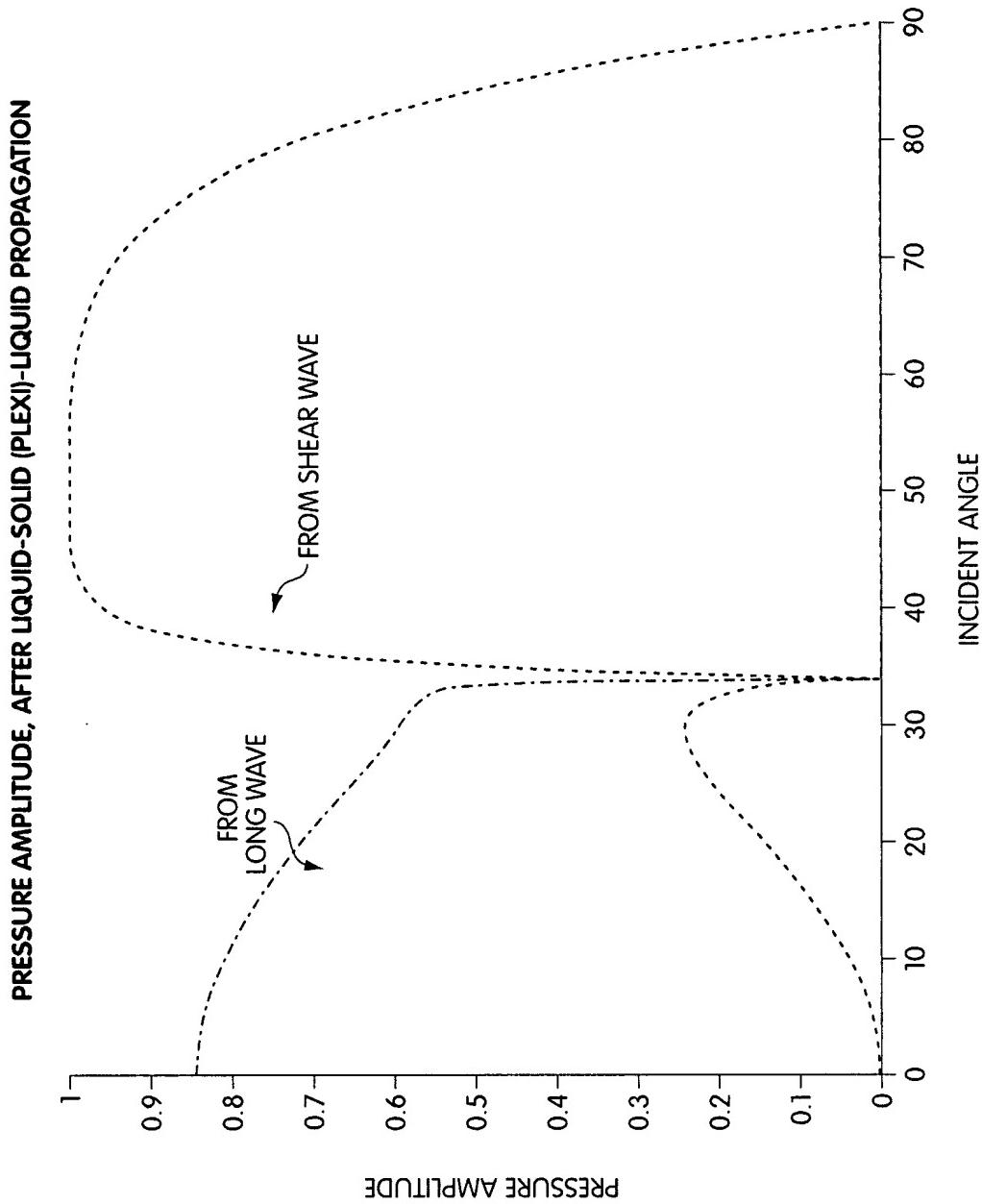


Fig. 23

17/18

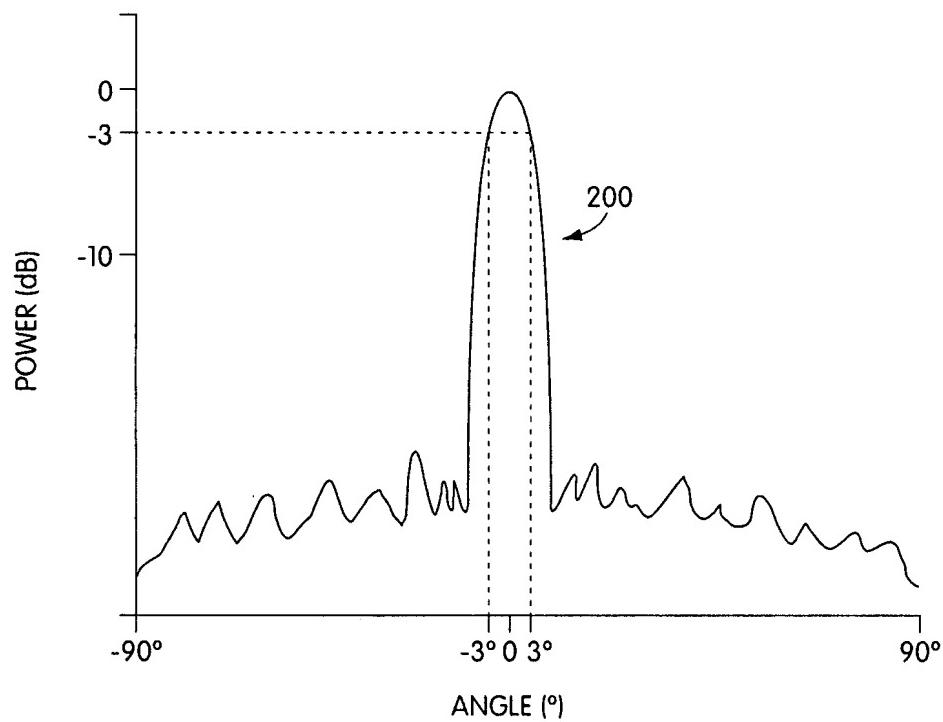


Fig. 24

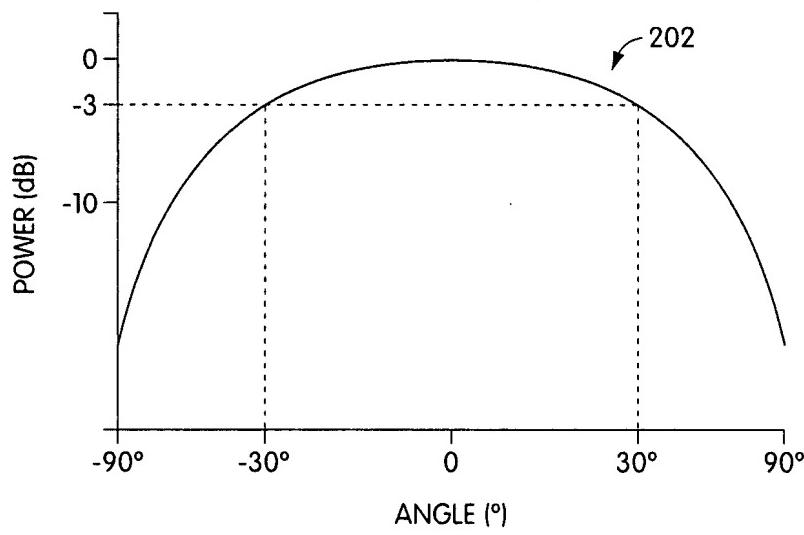


Fig. 25

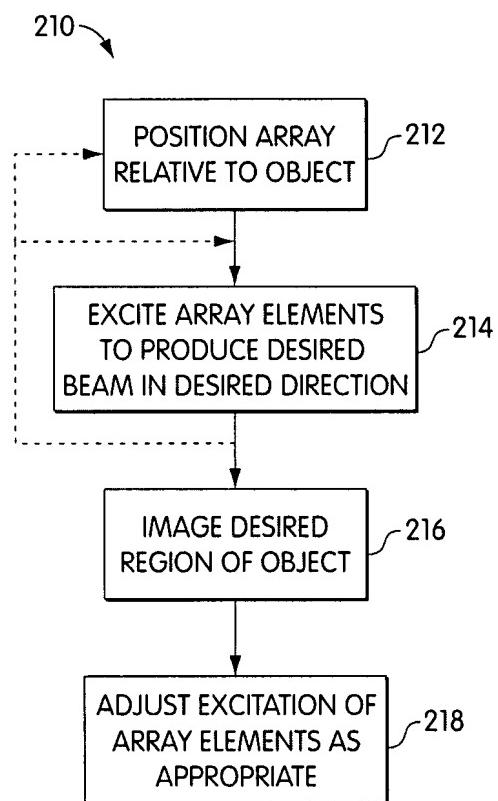


Fig. 26